



**NEW ENGLAND RADIO PLANNING COMMITTEE
FCC AREA 19
PLAN UPDATE COMMITTEE**

January 19, 2016

Mr. Glenn Turner
Radio System Manager
City of Cambridge, MA – Fire Department
491 Broadway
Cambridge, MA 02138

Dear Mr. Turner:

Region 19 Regional Planning Update Committee (RPUC) held its quarterly meeting on September 8, 2015 and reviewed the application modification filing by Cambridge, MA. Region 19 Technical subcommittee had determined previously that the filing by Cambridge, MA is determined to be a major modification and requires adjacent regions concurrence. Letters were sent to adjacent regions 8 and 30 on September 16, 2015 requesting concurrence. At this time, letters of concurrence have been received from both Regions 8 and 30 approving the major modification. The approved channel assignments are attached. The City of Cambridge, MA is authorized to modify their system with the parameters identified in the attached spreadsheet.

This authorizes your agency to submit FCC Form(s) 601 to a frequency coordination agency of your choice for processing the modifications to your system.

Strict adherence to your system parameters is required. Any changes to system parameters must be submitted and approved by the Region 19 RPUC. Please be advised that under the provisions of the RPUC allocation process you are required to modify your license within one year and once a license is received to begin utilizing the new site. If you do not implement the modification within one year your modification approval will be withdrawn.

You are required to report on system modification progress at six month intervals. If you have any questions regarding licensing or the requirements of the RPUC please contact the local frequency advisor for your state or the RPUC as soon as possible.

Sincerely

Jerry Zarwanski
Chairman RPUC, FCC Region 19

Attachments: Cambridge, MA – November 2015 Region 19 Approved Transmitter
Sites & Parameters – Final
Concurrence letters from Regions 8 & 19
Co-channel concurrence letter from RIEMA

CC: John Ruggiero, MA Frequency Advisor

860 685-8157
DIRECT CORRESPONDENCE TO THE COMMITTEE

C/O OFFICE OF STATEWIDE EMERGENCY TELECOMMUNICATIONS
1111 COUNTRY CLUB RD
MIDDLETOWN, CT 06457

Region 19 Approved Transmitter Sites & Parameters - Final

Cambridge, MA - November 2015

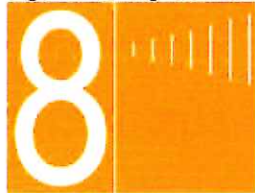
| Transmitter Site Name | Latitude | Longitude | Frequency (MHz) | Stat. Class | Power Out (W) | ERP (W) | AAT (m) | Ant. Hght (m) | Antenna Type | Beam width (degrees) | Azimuth (degrees) | Ant. Tilt (degrees) | Gain (dB) | Emission |
|-----------------------|------------|------------|-----------------|-------------|---------------|---------|---------|---------------|--------------|----------------------|-------------------|---------------------|-----------|----------|
| Thordike Dr. | 42-22-9.8 | 71-4-46 | 851.8000 | FB2 | 70 | 122 | -8.4 | 6.1 | | | | | | 16K0F3E |
| Concord Ave. | 42-23-54 | 71-11-19 | 851.8000 | FB2 | 70 | 122 | 50.4 | 6.1 | | | | | | 16K0F3E |
| Lambert St. | 42-22-20.3 | 71-5-12.2 | 851.8000 | FB2 | 70 | 122 | 45 | 65 | | | | | | 16K0F3E |
| Kendall Sq. | 42-21-43.4 | 71-4-59.2 | 851.8000 | FB2 | 30 | 30 | 0 | -10 | | | | | | 16K0F3E |
| Central Sq. | 42-21-4.4 | 71-6-3.2 | 851.8000 | FB2 | 30 | 30 | 0 | -10 | | | | | | 16K0F3E |
| Harvard Sq. | 42-22-24.3 | 71-7-8.2 | 851.8000 | FB2 | 30 | 30 | 0 | -15 | | | | | | 16K0F3E |
| Porter Sq. | 42-23-21.3 | 71-7-20.2 | 851.8000 | FB2 | 30 | 30 | 0 | -30 | | | | | | 16K0F3E |
| Alewife Sub. | 42-23-44.3 | 71-8-27.2 | 851.8000 | FB2 | 30 | 30 | 0 | -10 | | | | | | 16K0F3E |
| 10Km around | 42-22-9.8 | 71-4-46 | 806.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| 10Km around | 42-22-9.8 | 71-4-46 | 851.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| 10Km around | 42-23-54 | 71-11-19 | 806.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| 10Km around | 42-23-54 | 71-11-19 | 851.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| 10Km around | 42-22-20.3 | 71-5-12.2 | 806.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| 10Km around | 42-22-20.3 | 71-5-12.2 | 851.8000 | MO | 5 | 5 | | | | | | | | 16K0F3E |
| Leighton | 42-22-15 | 71-04-24 | 851.1250 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 851.1250 | FB2 | 50 | 50 | 59 | 74.9 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 806.1250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 806.1250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| Leighton | 42-22-15 | 71-04-24 | 851.3250 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 851.3250 | FB2 | 50 | 50 | 59 | 72.5 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 806.3250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 806.3250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| Transmitter Site Name | Latitude | Longitude | Frequency (MHz) | Stat. Class | Power Out (W) | ERP (W) | AAT (m) | Ant. Hght (m) | Antenna Type | Beam width (degrees) | Azim uth (degrees) | Ant. Tilt (degrees) | Gain (dB) | Emission |
|--------------------------|------------|------------|--------------------|----------------|---------------------|------------|------------|---------------------|--------------|----------------------------|--------------------------|---------------------------|--------------|----------|
| Leighton | 42-22-15 | 71-04-24 | 851.6250 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 851.6250 | FB2 | 50 | 50 | 59 | 72.5 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 806.6250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 806.6250 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| Leighton | 42-22-15 | 71-04-24 | 852.3000 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 852.3000 | FB2 | 50 | 50 | 59 | 72.5 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 807.3000 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 807.3000 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| MIT | | | | | | | | | | | | | | |
| Tang Hall | 42-21-15.7 | 71-6-12.7 | 852.4375 | FB2 | 45 | 45 | 46.9 | 68.9 | | | | | | 8K0D1W |
| Building 4 | 42-21-36 | 71-5-27.7 | 852.4375 | FB2 | 45 | 45 | 48.8 | 22.9 | | | | | | 8K0D1W |
| Eastgate | 42-21-42.6 | 71-5-2.4 | 852.4375 | FB2 | 45 | 45 | 71.7 | 79.9 | | | | | | 8K0D1W |
| 32 km radius a | 42-21-15.7 | 71-6-12.7 | 807.4375 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-21-36 | 71-5-27.7 | 807.4375 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-21-42.6 | 71-5-2.4 | 807.4375 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| Leighton | 42-22-15 | 71-04-24 | 852.6875 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 852.6875 | FB2 | 50 | 50 | 59 | 72.5 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 807.6875 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 807.6875 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| Leighton | 42-22-15 | 71-04-24 | 853.7875 | FB2 | 50 | 50 | 47.2 | 60.9 | | | | | | 8K0D1W |
| Huron | 42-22-50 | 71-09-17.2 | 853.7875 | FB2 | 50 | 50 | 59 | 72.5 | | | | | | 8K0D1W |
| 32 km radius a | 42-22-15 | 71-04-24 | 808.7875 | MO | 35 | 35 | | | | | | | | 8K0D1W |
| 32 km radius a | 42-22-50 | 71-09-17.2 | 808.7875 | MO | 35 | 35 | | | | | | | | 8K0D1W |

Licenses WQIW423, WQLW814, WQLW816, WPSE405 and WPVA413 will be withdrawn from the FCC

**Region 8
800 MHz Regional Public Safety
Planning Committee**

Regional Planning Committee



**Allen J. Demcoe
Chairman**

FCC Region 8 700 and 800-MHz Planning Committees
Chief, Office of Emergency Communications
Middlesex County Department of Public Safety and Health
1001 Fire Academy Drive
Sayreville, NJ 08872
Tel: (732) 316-7183

Email: allen.demcoe@co.middlesex.nj.us

January 14, 2016

Mr. Jerry Zarwanski, Chairman Region 19
Department of Emergency Services & Public Protection
Division of State Police
State of Connecticut
1111 Country Club Road
Middletown, CT 06457

Re: Region 8 Approval - 800 MHz Application – Cambridge, MA

Dear Chairman Zarwanski,

Region 8 received a request for concurrence on September 16, 2015 for an application modification by Cambridge, MA. On November 19, 2015 Region 8 held its quarterly meeting to discuss the application before all committee members present. Based on the technical parameters provided in the request and the significant distance between the applicant and Region 8, the committee members determined that there would be no harmful interference to Region 8 licensees.

The Region 8 800 MHz Committee at this time provides approval for your concurrence request for the above identified application filing.

Please feel free to contact me at (845) 634-2007 or David Stern at (609) 655-1200, if you have any questions.

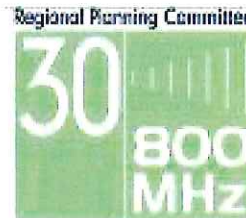
Sincerely,

Morton Leifer
Region 8 Vice Chairman

FCC PUBLIC SAFETY REGION 30 (NEW YORK – ALBANY)



Lee Shurtleff, Chairman
Tompkins County
92 Brown Road
Ithaca, New York 14850
Phone: (607) 257-3888; lishurtleff@tompkins-co.org



September 23rd, 2015

Jerry Zarwanski, Chairman
New England Region 19 800 MHz Committee
C/O Department of Emergency Services and Public Protection
Division of Statewide Emergency Telecommunications
1111 Country Club Road
Middletown, CT 06457

Re: 800 MHz Interregional Concurrence
City of Cambridge, Middlesex County, MA

Dear Chairman Zarwanski:

Region 30 has completed its review of the below referenced 800 MHz application submitted for interregional concurrence. Our technical subcommittee finds no impact to The Region. Therefore, Region 30 concurs with the following application, as last amended on August 12, 2015:

1. City of Cambridge, Middlesex County, MA
 - a. CAP003035

If you have any questions please do not hesitate to contact me or Matthew Delaney at (518) 322-4911.

Sincerely,

Lee Shurtleff
FCC Region 30 Chairman

Vice Chair, Larissa Guedko
lguedko@dhss.ny.gov

Secretary, Robert Isby, Jr.
risby@harris.com

STATEMENT OF CONCURRENCE

by
City of Cambridge, MA

TO: WPHX771
Rhode Island, State of – Emergency
Management Agency
645 New London Avenue
Cranston, RI 02920

DATE: March 31, 2015

We, The City of Cambridge, MA, have applied to modify our operations of our trunked radio system on frequency 853.7875 MHz. We understand that you currently operate on co-channel 853.7875 MHz.

FCC rules provide for shared use of the frequency spectrum with adjacent channel users and the procedures to follow. One of these procedures is to obtain a Letter of Concurrence (LOC) from a current licensed agency. Further, per FCC rules, a response to the request is required within 20 days of receipt of a request for concurrence. The response may be affirmative or negative. .

Further, it is our understanding that should any interference problems arises as a result of The City of Cambridge, MA using 853.7875 MHz that The City of Cambridge, MA will take any and all responsibility for correcting the problems immediately. This responsibility would include any cost or actions necessary to correct the interference problem up to and including moving to a different frequency.

We would sincerely appreciate your response within 10 days of receipt of this letter.
Thank you for your immediate attention to this request.

With these provisions, we,

APPROVE X OBJECT _____

to The City of Cambridge, MA using this frequency.

If OBJECT, reason for objection _____

Dated: 1 MAY 15 Authorized Signature: [Signature]

Licensee Name: Rhode Island State of Title: SWIC
Correction Dept

Licensee Address: 645 New London Ave, Cranston